

BXUV.U538 - Fire-resistance Ratings - ANSI/UL 263

**Drywall Solutions**

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

[See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States](#)
[Design Criteria and Allowable Variances](#)

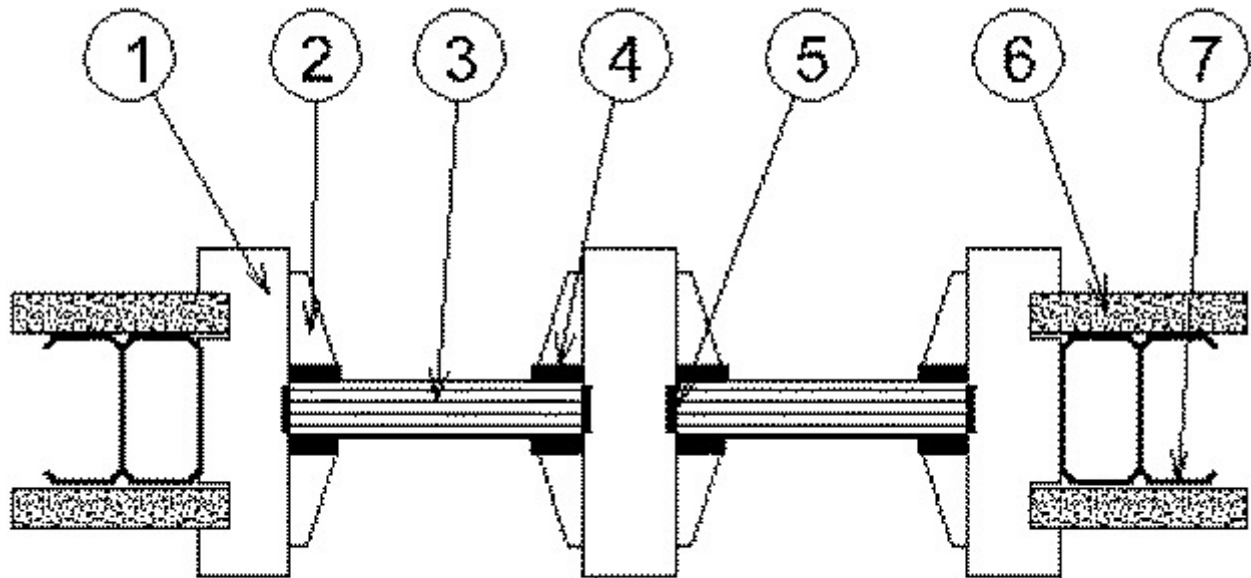
[See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada](#)
[Design Criteria and Allowable Variances](#)

Design No. U538

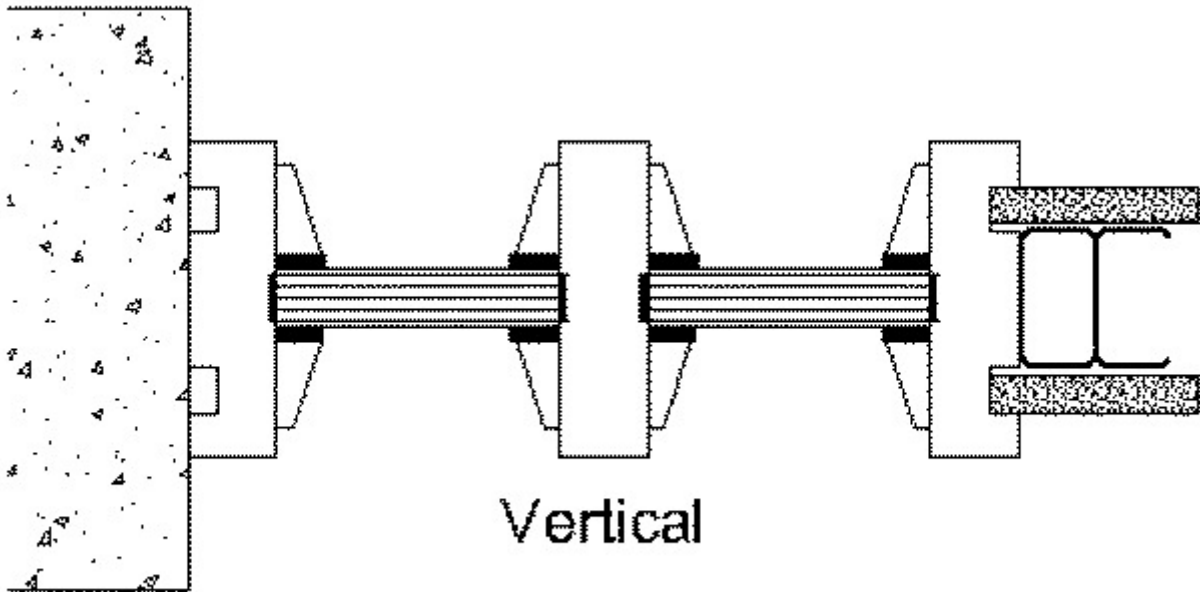
March 12, 2020

Nonbearing Wall Rating—1 HR

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



Horizontal



Vertical

60 minute Durastraight

1. Wood Sash Members* — Nom 1-1/2 in. by 5-5/16 in. with lengths cut according to glazing opening size. Secured to steel studs with No. 1-1/4 in. long, S12 Phillips bugle-head self-drilling/tapping steel screws 4 in. from each end and 16 in. OC. Secured to concrete with 1/4 in. by 3-3/4 in. Tapcon masonry screws 4 in. from the end and 16 in. OC. For gypsum wallboard applications, when Item 8 is used in the installation of the wood sash members, the wood sash member can be butted against the end of the stud wall. Perimeter members may be made from 2 pieces of nominal 3/4 in. pieces mdf core material glued together by manufacturer to form overall 1-1/2 in. thick perimeter member. Mullion member shall be made from single nominal 1-1/2 in. piece mdf.

WASHINGTON HARDWOODS & ARCHITECTURAL PRODUCTS INC — Durastraight

2. Glazing Beads — Supplied with the wood sash members. Nom 1-1/2 in. wide by 3/4 in. tall, cut to fit tightly along the perimeter of both sides of the glazing material and secured to wood sash member with 16 gauge by 1-1/2 in. nails 4 in. from each end and 8 in. OC.

3. Fire Resistant Glazing Material* — Nom 0.85 in. (23 mm) min thickness laminated glass supplied in various sizes. Max size not to exceed 32 sq ft with max dimensions of 8 ft.

PILKINGTON DEUTSCHLAND AG — Pyrostop 60-101 (23 mm)

TECHNICAL GLASS PRODUCTS — Pyrostop 60-101 (23 mm)

4. Jacketed Glazing Tape — Supplied with wood sash members. Nom 3/4 in. wide by 1/16 in. thick, fits between the glazing bead and fire resistant glazing material and approximately 1/8 in. extends above glazing bead when installed.

5. Unjacketed Glazing Tape — Supplied with wood sash members. Nom 3/4 in. wide by 1/16 in. thick, fits in the dado in wood framing member and cushions the edge of the fire resistant glazing material.

6. Gypsum Board* — Any 5/8 in. thick **UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305.** 1 hr rating: One layer min. 5/8 in thick min., 4 ft wide. Gypsum board is pushed into the 1/2 in. dado on the back of the wood sash members and is secured to the outer steel stud of the double stud wall framing with 1-1/4 in. long, S12 Phillips bugle-head self-drilling/tapping steel screws 16 in. OC. For the optional butted jamb installations that omit the two-1/2 in. dados in the back of the wood sash members, the insertion of the gypsum gypsum board wall into the wood sash member is not required.

CABOT MANUFACTURING ULC ([View Classification](#)) — CKNX.R25370

AMERICAN GYPSUM CO ([View Classification](#)) — CKNX.R14196

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO ([View Classification](#)) — CKNX.R19374

CERTAINTED GYPSUM INC ([View Classification](#)) — CKNX.R3660

CGC INC ([View Classification](#)) — CKNX.R19751

CERTAINTED GYPSUM INC ([View Classification](#)) — CKNX.R18482

GEORGIA-PACIFIC GYPSUM L L C ([View Classification](#)) — CKNX.R2717

GEORGIA-PACIFIC GYPSUM L L C ([View Classification](#)) — CKNX.R6937

LOADMASTER SYSTEMS INC ([View Classification](#)) — CKNX.R11809

NATIONAL GYPSUM CO ([View Classification](#)) — CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM ([View Classification](#)) — CKNX.R7094

PANEL REY S A ([View Classification](#)) — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD ([View Classification](#)) — CKNX.R19262

THAI GYPSUM PRODUCTS PCL ([View Classification](#)) — CKNX.R27517

UNITED STATES GYPSUM CO ([View Classification](#)) — CKNX.R1319

USG MEXICO S A DE C V ([View Classification](#)) — CKNX.R16089

7. Steel Stud — No. 20 MSG (0.40 in.) steel stud, 2-1/2 in. wide with 1-1/4 in. flanges.

8. Fill, Void or Cavity Material* — (Optional) - For applications where the wood sash members (Item 1) are butted directly against the end of the gypsum wallboard wall (Items 6 and 7), a maximum 1/2 in. wide by 1 in. deep bead of caulking applied to the gap between the wood sash member and the stud wall on both sides of the assembly. The caulk should have a minimum depth of 1 in. The fill, void or cavity material is to be applied over mineral wool insulation Classified as forming material packed densely to fill the void.

3M COMPANY 3M FIRE PROTECTION PRODUCTS — IC 15WB+

ABESCO FIRE LTD — CP310 FR

RECTORSEAL — Metacaulk 1000

TREMCO INC — Tremstop IA

9. Casement Trim — (Optional, not shown) - The joint created by the butting of the wood sash members (Item 1) against the end of the masonry or gypsum wallboard stud wall (Items 6 and 7) can be covered on both sides of the assembly by wood casement trim.

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Last Updated on 2020-03-12

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